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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|-----------------|-------------|----------------------|---------------------|------------------|
| 09/931,107      | 08/17/2001  | Kiyokazu Murai       | WN-2380             | 8679             |

7590                    03/09/2004

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EXAMINER

DAVIS, TEMICA M

| ART UNIT | PAPER NUMBER |
|----------|--------------|
| 2681     | 7            |

DATE MAILED: 03/09/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

|                              |                             |                     |  |
|------------------------------|-----------------------------|---------------------|--|
| <b>Office Action Summary</b> | <b>Application No.</b>      | <b>Applicant(s)</b> |  |
|                              | 09/931,107                  | MURAI               |  |
|                              | Examiner<br>Temica M. Davis | Art Unit<br>2681    |  |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

#### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

1) Responsive to communication(s) filed on 06 January 2004.

2a) This action is FINAL.                  2b) This action is non-final.

3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

4) Claim(s) 1-6 is/are pending in the application.

4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.

5) Claim(s) \_\_\_\_\_ is/are allowed.

6) Claim(s) 1-6 is/are rejected.

7) Claim(s) \_\_\_\_\_ is/are objected to.

8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

9) The specification is objected to by the Examiner.

10) The drawing(s) filed on \_\_\_\_\_ is/are: a) accepted or b) objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. §§ 119 and 120

12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) All b) Some \* c) None of:  
1. Certified copies of the priority documents have been received.  
2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.  
3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

13) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.  
a) The translation of the foreign language provisional application has been received.

14) Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

#### Attachment(s)

|  |  |
|--|--|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s). _____ . |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)                           | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)  |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449) Paper No(s) <u>4-6</u> . | 6) <input type="checkbox"/> Other: _____ .                                   |

## DETAILED ACTION

### ***Claim Rejections - 35 USC § 102***

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-6 are rejected under 35 U.S.C. 102(b) as being anticipated by Lupien, WO 99/63774.

Regarding claim 1, Lupien discloses a mobile communication system which comprises a mobile station, a radio network for radio transmission and reception to and from said mobile station, a home location register for managing, through a mobile services-switching center, current location information representative of a current location of said mobile station in a public telephone network, and a home agent for managing, through a packet gateway, current location information representative of a current location of said mobile station in a packet data communication network, wherein said home location register and said home agent are connected to each other through a communication channel for transmission of update contents for the current location information managed by said home location register and said home agent and are provided with location information update units responsive to said update contents for updating the current location information managed by said home location register and

said home agent, respectively (page 4, lines 4-28, page 9, line6-page 10, line 18 and page 14, line 15-page 15, line 14).

Regarding claim 2, Lupien discloses a mobile communication system as claimed in claim 1, wherein said home location register is provided with a home agent register which carries out, in said home location register, registration of identifying information of said home agent corresponding to said mobile station, said home location register being provided with a subscriber register which remotely carries out subscriber registration of said mobile station into said home agent through said communication channel (page 9, lines 15-29, page 21, lines 8-31 and page 51, line 16-page 52, line 9).

Regarding claim 3, Lupien discloses a mobile communication system as claimed in claim 1, wherein at least one of said home location register and said home agent is provided with a current location information conversion table for converting an indication format of the current location information managed by said at least one of the home location register and the home agent (page 43, lines 12-21).

Regarding claim 4, Lupien discloses a mobile communication system as claimed in claim 2, wherein connection between said home location register and said home agent via said communication channel is network connection utilizing a TCP/IP (Transmission Control Protocol/Internet Protocol) network, the identifying information of said home agent comprising a network address of said home agent on said TCP/IP network (page 2, lines 4-7).

Regarding claim 5, Lupien discloses a mobile communication system as claimed in claim 1, wherein said packet data communication network is an internet (page 2, lines 4-7).

Regarding claim 6, Lupien discloses a current location information matching method for a mobile communication system which comprises a mobile station, a radio network for radio transmission and reception to and from said mobile station, a home location register for managing, through a mobile services-switching center, current location information representative of a current location of said mobile station in a public telephone network, and a home agent for managing, through a packet gateway, current location information representative of a current location of said mobile station in a packet data communication network, said current location information matching method being for matching the current location information of said mobile station in said public telephone network and the current location information of said mobile station in said packet data communication network, wherein said method comprising the steps of: connecting said home location register and said home agent to each other through a communication channel; carrying out, in said home location register, updating of the current location information of said mobile station in said public telephone network in response to a current location report transmitted from said mobile station to said radio network during mobile communication on said public telephone network to inform an update content through said communication channel to said home agent; and carrying out, in said home agent, updating of the current location information of said mobile station in said packet data communication network in response to a current location

report transmitted from said mobile station to said radio network during packet data communication to inform an update content through said communication channel to said home location register (page 4, lines 4-28, page 9, line6-page 10, line 18 and page 14, line 15-page 15, line 14).

***Conclusion***

3. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Temica M. Davis whose telephone number is (703) 306-5837. The examiner can normally be reached Monday-Friday (alternate Fridays)

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Erika Gary can be reached on (703) 308-0123. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 306-0377.

Temica M. Davis  
Examiner  
Art Unit 2681

TMD  
March 7, 2004



TEMICA M. DAVIS  
PATENT EXAMINER